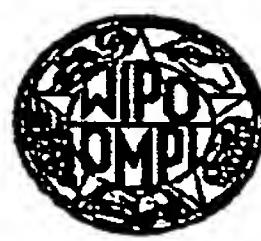


(19) World Intellectual Property Organization  
International Bureau



424 1451



(43) International Publication Date  
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number  
WO 2005/054500 A1

(51) International Patent Classification<sup>7</sup>: C12Q 1/68 (74) Agent: VOSSIUS & PARTNER; Siebertstrasse 4, 81675 München (DE).

(21) International Application Number:

PCT/EP2004/010857

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DB, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:

28 September 2004 (28.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03 02 6953.4 25 November 2003 (25.11.2003) EP

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CR, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for all designated States except US): MAX-PLANCK-GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN eV [DE/DE]; Berlin (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BINDER, Elisabeth [AT/DE]; Corneliusstr. 3, 80469 München (DE). HOLSBOER, Florian [CH/DE]; Rohmederstrasse 12, 80805. München (DE). REIN, Theo [DE/DE]; Am Schnepfenweg 60a, 80995 München (DE). WOCHNIK, Gabriele [DE/DE]; Badstr. 15, 86926 Greifenberg (DE). MÜLLER-MYHSOK, Bertram [DE/DE]; Stroblstr. 40, 80689 München (DE). UHR, Manfred [DE/DE]; Föhrenstr. 2, 82131 Stockdorf (DE).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/054500 A1

(54) Title: FKBP51: A NOVEL TARGET FOR ANTIDEPRESSANT THERAPY

(57) Abstract: The present invention relates to a method of classifying an individual comprising analyzing the nucleic acid of a sample taken from said patient for nucleotide polymorphisms in a haplotype block comprising the gene encoding FKBP51 and/or determining the expression level of FKBP51 in said sample. In a preferred embodiment, the invention provides a method of predicting the response to CC. Furthermore, a method of developing an antidepressant drug, and pharmaceutical compositions are provided.